Steve Sisolak
Governor

Richard Whitley
Director

State of Nevada
Department of Health and Human Services

Update Concerning the Status of COVID-19 in Nevada

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12/10/2020   *Helping people. It's who we are and what we do.*

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COVID-19 By The Numbers

COVID-19 (Coronavirus) in Nevada

For questions, please contact the DHHS Office of Analytics by emailing data@dhhs.nv.gov.

Data are as of 12/9/2020

Current Status indicators are summarized below. Due to reporting delay, testing measures are considered over a 14-day period with a 7-day lag. This means that the most recent 7-day period is not included in the evaluation period to account for data completeness. Daily new cases and deaths are displayed as 14-day moving averages. Cases and deaths per 100,000 are displayed for the most recent 30-day period and cumulatively. In the maps below, counties with higher rates are shaded darker.
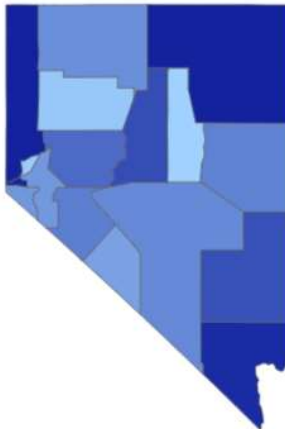
Cases

1,872
14-day rolling average cases daily

1,912
cases per 100,000 over the last 30 days

176,334
cumulative cases

5,459
cumulative cases per 100,000

Deaths

15
14-day rolling average deaths daily

15
deaths per 100,000 over the last 30 days

2,384
cumulative deaths
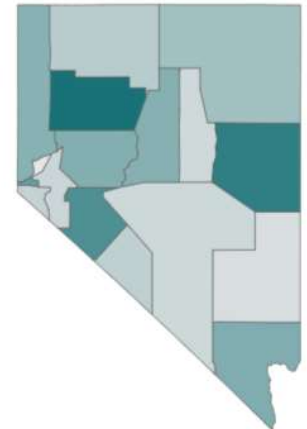
75
cumulative deaths per 100,000

Testing

422
tests/day per 100,000 over the last 14 days

22.3%
test positivity rate over the last 14 days

1,773,401
cumulative tests

Nevada continues to observe increases in cases, hospitalizations, and deaths. Daily case are consistently double that of the summer peak. We are currently recording near record number for daily deaths.

There is not indication that we are approaching a plateau. The decline we observed in daily cases diagnosed over the Thanksgiving holiday are believed to be a result of limited testing. We have yet to see the full impact of Thanksgiving travel and/or gatherings.

Regionally, Nevada continues to outpace Arizona and California in cases per 100,000.

COVID-19 By The Numbers

We currently estimate active cases to be 27,839, this is more than double the summer peak of 11,452 on July 19th.

Active Peak on July 19th, 11,452

Current Active, 27,839

The case fatality rate, or the proportion of cases that have resulted in death has decreased significantly since the start of the pandemic, from a high of over 5% in May to 1.4% cumulatively as of December 8th.

The current case fatality rate is 0.8-0.9%

Estimated Active COVID-19 Cases, April 1st - December 7th
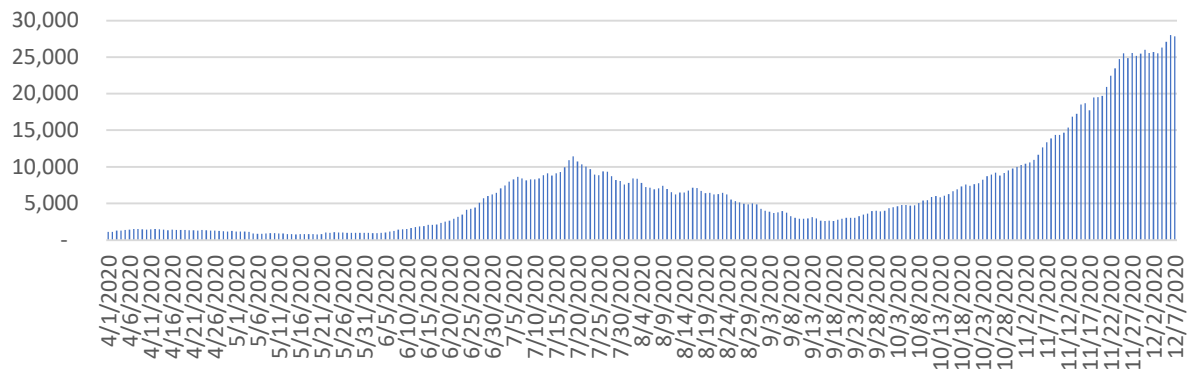
Proportion of Cumulative Cases that resulted in Death, April 1st - December 8th

4
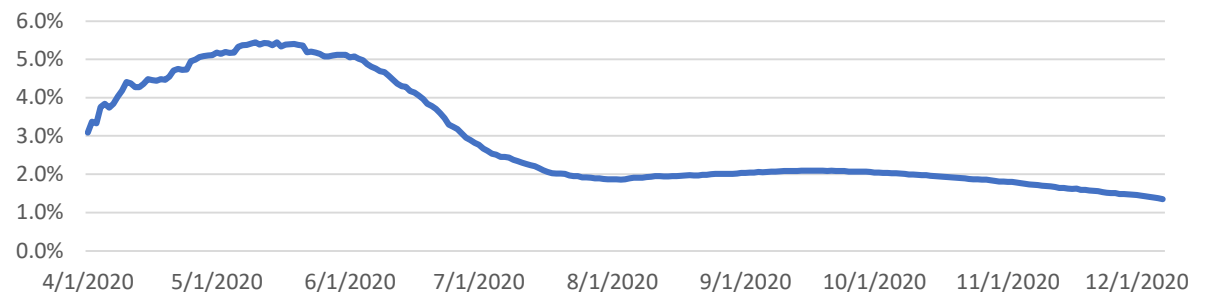
COVID-19 By The Numbers

Confirmed and Suspected Hospitalizations

● Confirmed ● Suspected
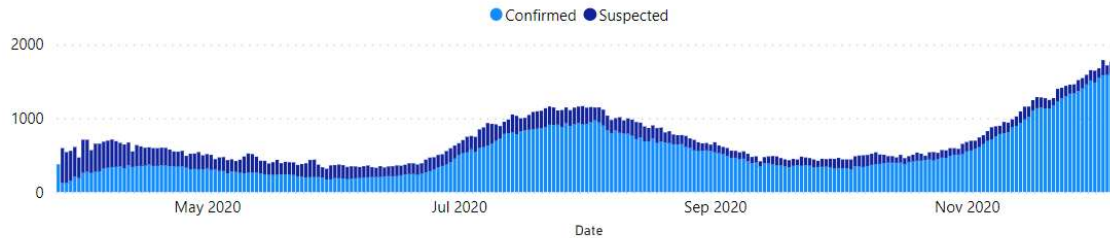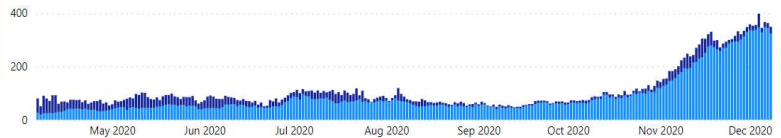
Northern Nevada

Confirmed and Suspected Intensive Care Unit (ICU) and Ventilator Utilization

● Confirmed or Suspected COVID-19 in Intensive Care Unit (ICU) ● Confirmed or Suspected COVID-19 on Ventilator
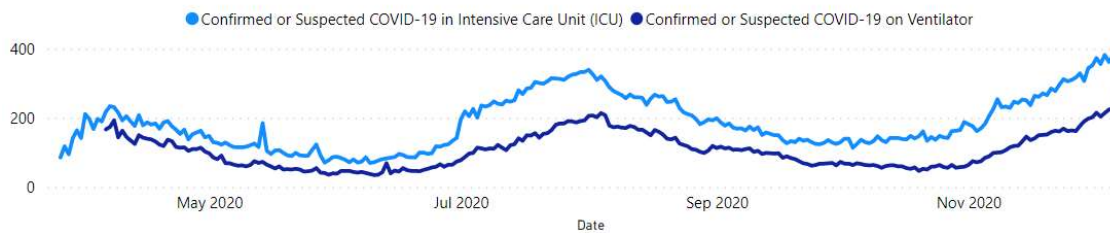
Southern Nevada
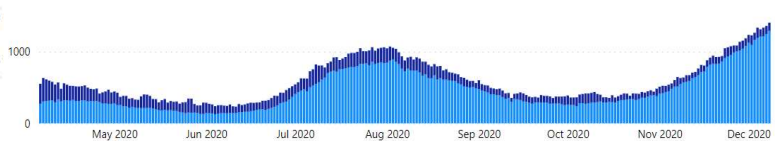
Although we continue to see increasing trends in hospitalizations, in general we have seen significant declines in the proportion of cases requiring hospitalization. Currently, we find 6% of active cases are hospitalized.

Proportion of Active Cases Requiring Hospitalization (7-Day Moving Average)

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COVID-19 By The Numbers

14-Day Test Positivity Rate and WHO Goal by Specimen Collection Date

● WHO Goal ● 14-Day Test Positivity Rate (new)

22.3%
test positivity rate
over the last 14 days

Percent Change

Date	14-day Test Positivity Rate	Percent Change
12/08	22.3%	1.7%
12/07	21.9%	1.9%
12/06	21.5%	0.0%
12/05	21.2%	1.5%
12/04	20.9%	1.9%
12/03	20.5%	2.5%
12/02	20.0%	2.0%
12/01	19.6%	2.8%
11/30	19.1%	3.5%
11/29	18.4%	1.6%
11/28	18.1%	2.4%
11/27	17.7%	0.5%
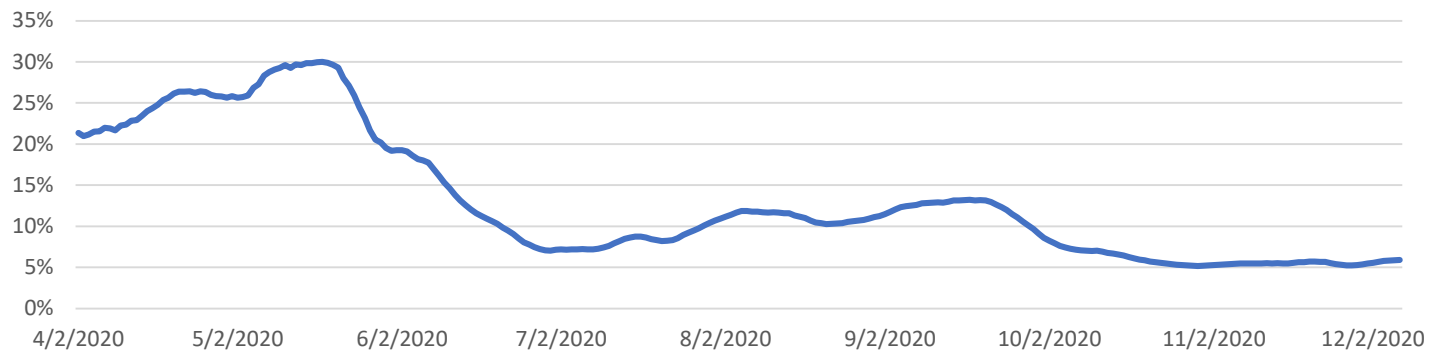
The current 14-day test positivity rate is the highest we have seen to-date, at 22.3%, and the second highest nationally.

Increases to test positivity, combined with increased testing volume in general implies wide community spread and potentially many more undiagnosed cases in the community.

COVID-19 Testing Turnaround

	CPL	LABCORP	NSPHL	Other	QUEST	RRMC	SOUTHERN	UMC	Total
Median Time from Specimen Collection to Report, By County and Lab									
Carson City	-	3	5	2	5	2	3	2	4
Churchill	-	3	5	3	6	2	-	2.5	3
Clark	2	3	7	2	3	2	4	2	2
Douglas	-	3	3	2	3	2	6	2.5	3
Elko	-	3	6	1	5	1	6	2	3
Esmeralda	-	4	3	1	4	1.5	4.5	2	4
Eureka	-	3	-	-	4	1	6	2	3
Humboldt	-	4	6	3	4	2	-	2	4
Lander	-	3	6	2.5	5	1	-	2.5	5
Lincoln	-	2.5	8	2	5.5	-	2.5	2	2
Lyon	-	3	4	2	4	2	3	1	3
Mineral	-	3	4	3	6	1	-	1	4
Nye	4	3	7	2	3	1	3.5	2	3
Pershing	-	3	6	3	5	1	-	-	6
Storey	-	2	3.5	2	3	2	-	-	2
Washoe	-	3	3	3	3	2	4	2	3
White Pine	-	2	8	1	6	1.5	6	1.5	6
Total	2	3	5	2	4	2	4	2	2

For Specimens collected November 1st – current, as of 12/09, it has taken approximately 3 days after specimen collection for results to be reported.

Differences across different counties and laboratories are displayed in the table above.

COVID-19 Testing Turnaround

Proportion of Tests vs. Days Between Specimen Collection and Reporting:
0: 0%, 1: 15%, 2: 38%, 3: 23%, 4: 9%, 5: 6%, 6: 4%, 7: 2%, 8: 1%, 9: 0%, (10–31: 0%)
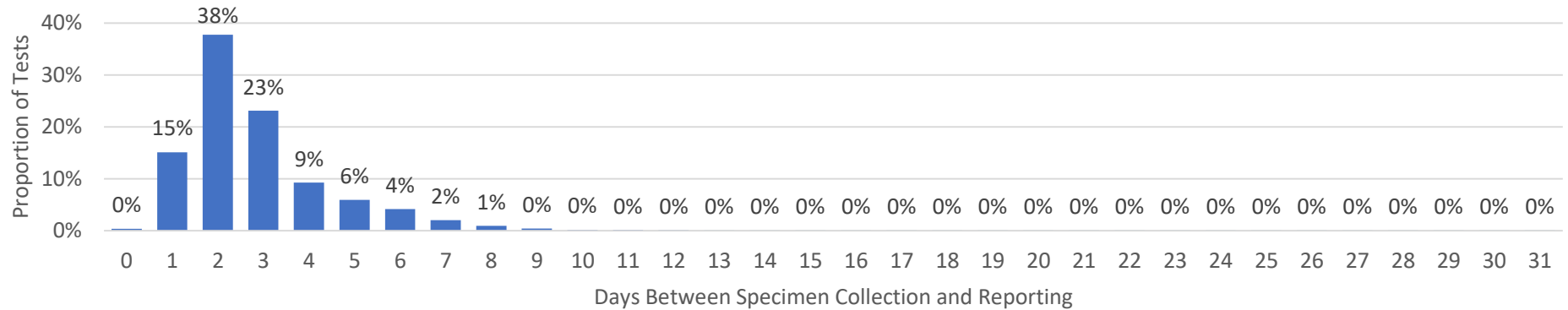
Distribution of the Number of Days between Specimen Collection to Report, By County																	
Days	Carson City	Churchill	Clark	Douglas	Elko	Esmeralda	Eureka	Humboldt	Lander	Lincoln	Lyon	Mineral	Nye	Pershing	Storey	Washoe	White Pine	Total
0	0%	0%	0%	1%	2%	1%	0%	2%	0%	7%	1%	0%	0%	0%	0%	1%	1%	0%
1	4%	7%	15%	10%	4%	4%	3%	5%	3%	25%	17%	3%	10%	4%	7%	19%	3%	15%
2	15%	20%	42%	24%	26%	11%	25%	11%	5%	43%	31%	15%	21%	4%	45%	29%	27%	38%
3	18%	27%	23%	34%	26%	25%	63%	15%	13%	11%	23%	17%	39%	18%	11%	23%	12%	23%
4	16%	13%	8%	11%	15%	24%	6%	30%	17%	6%	13%	22%	17%	9%	28%	12%	4%	9%
5	16%	16%	5%	13%	11%	28%	2%	8%	20%	1%	5%	13%	7%	14%	5%	8%	2%	6%
6	20%	11%	3%	4%	11%	2%	1%	15%	26%	2%	6%	15%	3%	24%	2%	3%	12%	4%
7	3%	5%	2%	1%	2%	5%	0%	12%	12%	2%	3%	8%	2%	16%	1%	3%	5%	2%
8	7%	0%	1%	0%	2%	0%	0%	1%	2%	2%	1%	1%	0%	10%	1%	0%	21%	1%
9	1%	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%	2%	0%	0%	0%	0%	1%	0%
10	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%	1%	0%	0%	0%	0%
11	0%	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	4%	0%	0%	0%	0%	9%	0%
12	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%
13	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
14	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
16	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%

Specimens collected November 1st – current, as of 12/09

COVID-19 County Tracker

County Tracker: Nevada's counties are diverse in so many ways and have been impacted by COVID-19 differently. In order to ensure that each county is assessed for elevated disease transmission this tracker will be updated daily. Monday snapshots are used for discussion in COVID-19 Mitigation and Management Task Force meetings. **A county is flagged for elevated disease transmission if it meets two of the three criteria:**
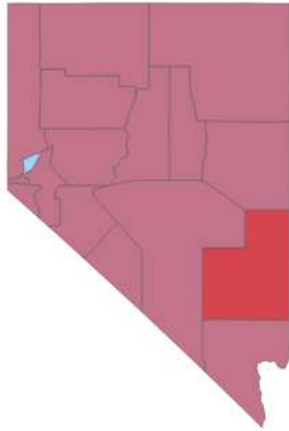
1. **Average number of tests per day (per 100,000) < 100.** The average number of molecular tests conducted in the most recent complete two week period in a county, divided by the number of people living in the county. This number is then multiplied by 100,000 to control for varying populations in counties. Due to reporting delay, this is reported over a 14-day period with a 7-day lag. Counties that average fewer than 100 tests per day will meet this criterion.

2. **Cases (per 100,000) > 200.** The total number of cases diagnosed and reported over a 30-day period divided by the number of people living in the county. This number is then multiplied by 100,000 to control for varying populations in counties. Counties with a case rate greater than 200 per 100,000 will meet this criterion.

3. **Cases (per 100,000) > 50 AND testing positivity > 8.0%.** The total number of positive molecular tests divided by the total number of molecular tests conducted. This number is then multiplied by 100 to get a percentage. Due to reporting delay (which may be different between positive and negative tests), this is reported over a 14-day period with a 7-day lag. Counties with a test positivity > 8.0% paired with case rate greater than 50 per 100,000 will meet this criterion.

Map shading is based on the number of criteria met. Hover your cursor over a county to display more data.

County	Average Number of Tests per Day per 100,000 (14-day average with 7-day lag)	Cases per 100,000 (last 30 days)	Test Positivity (14-day with 7-day lag)
Carson City	648	2,688	16.8%
Churchill	530	2,156	18.3%
Clark	478	1,405	15.6%
Douglas	150	986	24.8%
Elko	301	1,835	26.0%
Esmeralda	345	1,027	21.3%
Eureka	102	509	10.7%
Humboldt	275	1,676	35.6%
Lander	421	1,768	20.7%
Lincoln	84	635	62.3%
Lyon	203	1,030	19.7%
Mineral	1,037	2,171	9.4%
Nye	140	669	21.8%
Pershing	539	1,092	13.3%
Storey	101	134	3.2%
Washoe	471	2,095	19.9%
White Pine	1,143	2,088	9.6%

These data include prison cases. We can adjust this to exclude prisons upon request. A preliminary analysis was done, and results did change significantly for 5 counties, but not significant enough to bring them out of an elevated transmission status.

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County	Average Number of Tests per Day per 100,000 (14-day average with 7-day lag)	Cases per 100,000 (last 30 days)	Test Positivity (14-day with 7-day lag)
Carson City	459	2,527	24.2%
Churchill	451	2,145	19.4%
Clark	439	1,723	17.3%
Douglas	203	1,221	27.3%
Elko	284	2,095	30.3%
Esmeralda	403	1,643	12.7%
Eureka	240	407	9.1%
Humboldt	300	2,913	38.5%
Lander	522	2,485	20.5%
Lincoln	60	923	63.6%
Lyon	189	1,081	22.0%
Mineral	983	2,960	15.0%
Nye	122	657	22.3%
Pershing	526	1,365	11.5%
Storey	118	112	5.4%
Washoe	430	2,310	21.2%
White Pine	623	2,031	17.7%

These data include prison cases. We can adjust this to exclude prisons upon request. A preliminary analysis was done, and results did change significantly for 5 counties, but not significant enough to bring them out of an elevated transmission status.

Every county in Nevada, except for Storey County, is flagged for elevated transmission.

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COVID-19 County Tracker

Testing per day per 100,000:

Data trended below correspond to the most recent 15 Mitigation and Management Task Force meetings.

| | Testing per Day per 100,000 | | | Cases per 100,000 | | | Test Positivity Rate | | |

Average Number of Tests per Day per 100,000: Threshold < 100, measured as a 14-day average with a 7-day lag

	8/31/2020	9/7/2020	9/14/2020	9/21/2020	9/28/2020	10/5/2020	10/12/2020	10/19/2020	10/26/2020	11/2/2020	11/9/2020	11/16/2020	11/23/2020	11/30/2020	12/7/2020
Carson City	310	260	264	352	413	465	280	306	359	362	388	446	641	648	459
Churchill	158	99	144	292	343	289	300	345	309	238	302	508	594	530	451
Clark	227	207	210	208	199	211	214	215	248	274	282	307	379	478	439
Douglas	94	75	78	86	85	99	148	145	109	123	125	152	131	150	203
Elko	105	85	112	154	160	199	230	234	247	290	275	246	283	301	284
Esmeralda	59	73	125	132	81	81	88	44	66	110	125	81	191	345	403
Eureka	109	58	432	494	105	54	62	36	33	15	62	120	113	102	240
Humboldt	63	66	69	75	70	75	90	97	109	110	100	126	210	275	300
Lander	89	235	248	145	161	282	340	340	387	393	349	297	294	421	522
Lincoln	41	71	59	95	113	54	41	154	184	81	32	41	47	84	60
Lyon	72	59	64	88	95	95	106	110	124	133	137	169	193	203	189
Mineral	321	420	326	426	280	197	226	113	160	277	301	511	846	1,037	983
Nye	73	62	65	63	49	52	55	51	62	83	99	120	140	140	122
Pershing	441	264	253	418	373	340	328	521	566	1157	1538	970	416	539	526
Storey	11	8	19	29	22	27	32	42	48	24	29	48	45	101	118
Washoe	155	140	165	191	208	233	237	260	296	301	312	356	421	471	430
White Pine	466	405	557	482	520	665	671	435	244	469	783	536	1,067	1,143	623

Carson City Churchill Clark Douglas Elko Esmeralda Eureka Humboldt Lander

Lincoln Lyon Mineral Nye Pershing Storey Washoe White Pine

COVID-19 County Tracker

Case Rate per 100,000:

Data trended below correspond to the most recent 15 Mitigation and Management Task Force meetings.

	Testing per Day per 100,000	Cases per 100,000	Test Positivity Rate

Case Rate per 100,000: Threshold case rate > 200 per 100,000, measured over the previous 30 days

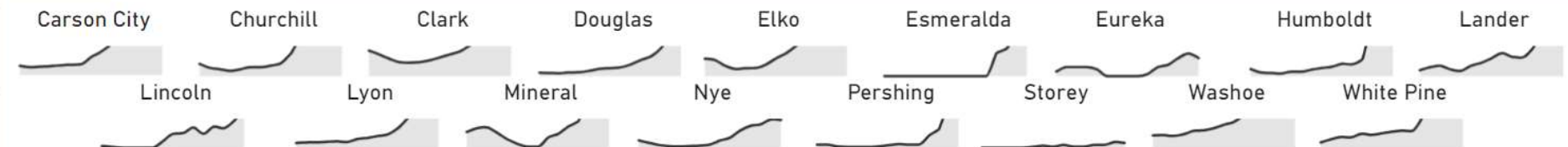|	8/31/2020	9/7/2020	9/14/2020	9/21/2020	9/28/2020	10/5/2020	10/12/2020	10/19/2020	10/26/2020	11/2/2020	11/9/2020	11/16/2020	11/23/2020	11/30/2020	12/7/2020
Carson City	218	184	198	210	230	242	253	424	555	745	1,172	2,108	2,483	2,688	2,527
Churchill	274	186	155	120	155	201	201	236	290	518	920	1,461	1,843	2,156	2,145
Clark	574	490	390	314	302	315	356	421	490	559	701	865	1,134	1,405	1,723
Douglas	76	70	64	83	89	123	167	179	197	264	362	447	642	986	1,221
Elko	393	362	233	158	178	182	256	396	513	682	922	1,095	1,437	1,835	2,095
Esmeralda	0	0	0	0	0	0	0	0	0	0	0	513	616	1027	1643
Eureka	102	203	203	203	153	0	0	0	0	51	203	254	407	509	407
Humboldt	158	82	70	59	100	100	147	182	211	275	264	387	1,301	1,676	2,913
Lander	133	200	233	150	117	233	300	400	517	434	417	617	1,017	1,768	2,485
Lincoln	38	19	0	0	0	0	154	327	346	481	327	500	462	635	923
Lyon	110	126	128	140	152	133	205	231	276	316	460	702	900	1,030	1,081
Mineral	373	460	482	351	197	88	22	22	241	329	504	636	1,294	2,171	2,960
Nye	174	117	63	35	29	37	49	74	170	237	407	518	555	669	657
Pershing	72	72	29	14	14	14	29	57	86	72	72	287	445	1,092	1,365
Storey	0	0	0	0	0	22	45	22	67	22	22	67	67	134	112
Washoe	292	299	278	316	397	412	463	545	612	783	1,025	1,372	1,802	2,095	2,310
White Pine	123	198	255	246	331	302	340	378	406	397	718	935	1,134	2,088	2,031

Carson City Churchill Clark Douglas Elko Esmeralda Eureka Humboldt Lander

Lincoln Lyon Mineral Nye Pershing Storey Washoe White Pine

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COVID-19 County Tracker

Test Positivity Rate:

Data trended below correspond to the most recent 15 Mitigation and Management Task Force meetings.

Testing per Day per 100,000	Case Rate per 100,000	Test Positivity Rate

Test Positivity Rate: Threshold > 8%, measured over a 14-day period with a 7-day lag

	8/31/2020	9/7/2020	9/14/2020	9/21/2020	9/28/2020	10/5/2020	10/12/2020	10/19/2020	10/26/2020	11/2/2020	11/9/2020	11/16/2020	11/23/2020	11/30/2020	12/7/2020
Carson City	2.8%	2.2%	2.6%	3.5%	2.5%	1.8%	3.8%	6.8%	8.1%	9.1%	10.6%	23.6%	21.2%	16.8%	24.2%
Churchill	9.8%	7.5%	1.3%	2.2%	2.0%	2.4%	3.0%	3.0%	3.7%	7.1%	11.0%	14.8%	16.5%	18.3%	19.4%
Clark	12.6%	11.2%	8.6%	7.1%	6.7%	6.9%	7.6%	8.6%	9.2%	9.8%	11.1%	13.2%	14.7%	15.6%	17.3%
Douglas	2.8%	4.4%	3.7%	3.0%	4.4%	6.2%	5.5%	5.1%	6.9%	9.5%	10.9%	13.4%	16.4%	24.8%	27.3%
Elko	17.9%	12.6%	6.2%	4.4%	4.0%	4.4%	5.2%	8.2%	10.3%	9.4%	11.7%	18.6%	21.3%	26.0%	30.3%
Esmeralda	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	23.1%	21.3%	12.7%
Eureka	0.0%	6.3%	5.9%	4.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.9%	15.2%	12.9%	10.7%	9.1%
Humboldt	4.7%	5.1%	4.8%	3.4%	3.6%	8.4%	6.5%	7.4%	12.3%	9.1%	7.1%	12.9%	28.1%	35.6%	38.5%
Lander	8.0%	4.6%	3.8%	5.7%	2.2%	1.3%	5.3%	6.0%	6.2%	5.2%	5.5%	9.2%	17.8%	20.7%	20.5%
Lincoln	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%	3.3%	10.7%	13.4%	18.6%	30.4%	46.7%	35.3%	62.3%	63.6%
Lyon	7.1%	6.3%	7.4%	7.3%	7.9%	6.3%	8.2%	11.4%	8.2%	10.5%	13.2%	19.0%	21.0%	19.7%	22.0%
Mineral	3.9%	6.0%	8.2%	3.3%	0.6%	3.2%	0.7%	0.0%	7.8%	6.8%	3.6%	6.7%	5.6%	9.4%	15.0%
Nye	11.4%	6.4%	3.4%	1.6%	1.5%	4.0%	4.5%	4.6%	10.6%	14.6%	18.3%	21.7%	24.1%	21.8%	22.3%
Pershing	0.7%	1.2%	0.4%	0.0%	0.0%	0.3%	0.6%	0.8%	0.9%	0.2%	0.0%	0.6%	6.9%	13.3%	11.5%
Storey	14.3%	20.0%	0.0%	0.0%	0.0%	0.0%	10.0%	3.8%	3.3%	6.7%	5.6%	6.7%	7.1%	3.2%	5.4%
Washoe	8.3%	7.3%	7.0%	6.9%	7.8%	8.4%	8.2%	8.5%	9.1%	10.8%	12.8%	16.2%	18.9%	19.9%	21.2%
White Pine	2.7%	2.3%	2.7%	5.3%	3.5%	2.2%	2.8%	3.4%	5.5%	3.9%	2.1%	7.4%	5.7%	9.6%	17.7%

Carson City   Churchill   Clark   Douglas   Elko   Esmeralda   Eureka   Humboldt   Lander

Lincoln   Lyon   Mineral   Nye   Pershing   Storey   Washoe   White Pine

COVID-19 County Tracker (Comparison)

County Tracker Results Comparison, with and without the inclusion of prison inmate-related testing encounters

	Current Methodology					Excluding Prison Inmate-Related Testing Encounters					Difference			
County	Testing*	Case Rate†	Test Positivity‡	Score		County	Testing*	Case Rate†	Test Positivity‡	Score	County	Testing*	Case Rate†	Test Positivity‡	Score
Carson City	458	3,044	27.0%	2		Carson City	415	2,814	28.1%	2	Carson City	-9%	-8%	4%	-
Churchill	390	2,172	20.7%	2		Churchill	380	2,117	20.7%	2	Churchill	-3%	-3%	0%	-
Clark	442	1,840	18.5%	2		Clark	433	1,829	18.7%	2	Clark	-2%	-1%	1%	-
Douglas	203	1,252	29.7%	2		Douglas	201	1,238	29.8%	2	Douglas	-1%	-1%	0%	-
Elko	290	2,135	31.4%	2		Elko	296	2,185	31.4%	2	Elko	2%	2%	0%	-
Esmeralda	381	2,464	19.2%	2		Esmeralda	387	2,503	19.2%	2	Esmeralda	1%	2%	0%	-
Eureka	265	407	5.5%	1		Eureka	295	452	5.5%	1	Eureka	11%	11%	0%	-
Humboldt	329	3,059	39.0%	2		Humboldt	338	3,143	39.0%	2	Humboldt	3%	3%	0%	-
Lander	497	2,668	23.7%	2		Lander	495	2,647	23.6%	2	Lander	0%	-1%	-1%	-
Lincoln	48	942	62.9%	3		Lincoln	53	1,043	61.8%	3	Lincoln	10%	11%	-2%	-
Lyon	181	1,076	22.2%	2		Lyon	186	1,094	22.1%	2	Lyon	3%	2%	0%	-
Mineral	882	3,157	13.9%	2		Mineral	885	3,154	13.7%	2	Mineral	0%	0%	-1%	-
Nye	116	686	24.1%	2		Nye	122	717	24.2%	2	Nye	5%	5%	0%	-
Pershing	359	2,629	19.4%	2		Pershing	521	3,813	19.4%	2	Pershing	45%	45%	0%	-
Storey	115	112	5.6%	-		Storey	117	113	5.6%	-	Storey	2%	1%	1%	-
Washoe	422	2,340	21.8%	2		Washoe	433	2,397	21.8%	2	Washoe	3%	2%	0%	-
White Pine	588	2,003	19.3%	2		White Pine	339	1,019	12.4%	2	White Pine	-42%	-49%	-36%	-

*Average Number of Tests Per Day (per 100,000)

†Cases (per 100,000)

‡Total number of positive molecular tests divided by the total number of molecular tests conducted multiplied by 100.

Notice that this comparison was completed on 12/9 and therefore does not tie back to the county tracker data pulled on 12/2.

Upon excluding prisoner/inmate populations, no counties were placed in a different status for elevated disease transmission.

Discussion

To request additional data, email the DHHS Office of Analytics at
data@dhhs.nv.gov